ABSTRACT OF THE DISCLOSURE

A three-step method for applying a Least Square Solver (LESS) is used to adapt a linear system such as an adaptive filter to a set of adaptation parameters, whose elements are usually complex-valued. In a first step a binary orthogonalization transformation (BOT) is used to transform from complex arithmetic to real number arithmetic. In a second step, two real computation number LESS are applied. In a third step, an inverse BOT is introduced to transform to complex number arithmetic.